

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,356,057 B2  
APPLICATION NO. : 10/695057  
DATED : April 8, 2008  
INVENTOR(S) : Deng et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**On the Title Page**

Item 56, References Cited, Other Publications, Publication 4, change "R.A. Morgank" to --R.A. Morgan--

Item 56, References Cited, Other Publications, Publication 5, change "Cryogenic Operation of AlGaAs-GaAs Vertical-Cavity Surface-Emitting Lasers at Temperatures from 200K to 6 K," to --"Cryogenic Operation of AlGaAs-GaAs Vertical-Cavity Surface-Emitting Lasers at Temperatures from 200K to 6 K,"--

**Column 4**

Line 54, after "quantum wells", add [112]

Line 62, change "quantum well" to --quantum wells 112--

**Column 5**

Line 14, after "aperture", add [104]

Line 16, after "layers", add [108]

Line 22, after "diagram", add [200]

Line 28, after "active region", add [204]

Line 33, after "wells", add [220]

**Column 6**

Line 38, change "330 and" to --330, and--

Line 40, change "VCSEL" to --VCSEL,--

**Column 7**

Line 45, after "sensor", add [515]

Line 46, after "VCSEL", add [510]

Line 47, after "sensor", add [515]

Line 47, after "module", add [520]

Line 48, after "sensor", add [515]

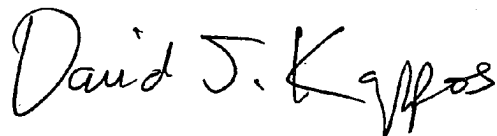
Line 49, after "VCSEL", add [510]

Line 50, change "VCSEL. The sensor" to --VCSEL 510. The sensor 515--

Line 61, after "module" add [520]

Signed and Sealed this

Tenth Day of August, 2010



David J. Kappos  
*Director of the United States Patent and Trademark Office*

**Column 8**

Line 1, change “beater” to --heater--

Line 2, after “VCSEL”, add [510]

Line 11, after “heater”, add [505]

Line 14, after “heater”, add [505]

Line 20, after “heater”, add [505]

Line 42, after “module” add [500]